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Application of surfactants in voltammetric analysis

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Abstract

The possibilities of applying surfactants to the voltammetry of various biologically active compounds are generalized. Attention is focused on micellar solutions and surfactant-modified electrodes in the determination of a number of organic compounds, including antioxidants. It is demonstrated that the use of surfactants makes it possible to improve analytical characteristics and, in some cases, to simultaneously determine different analytes. © 2012 Pleiades Publishing, Ltd.

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Keywords

Biologically active compounds, Electrochemical methods, Modified electrodes, Pharmaceutical preparations, Surfactants